

# Mist Separator(AM)

**SKP**

## ◆ SAM250~850 Series

- SAM series eliminate micro-particle like rust, carbon Of  $0.3\mu\text{m}$  or greater, etc. by separating oil mist that is difficult to be removed by normal air filters.
- SAM series are the optimal filter for the air source that drives solenoid valves of pilot type, and metal seal type.

### ● How to order

**SAM 350 - 04 BD - Me**

① Mist Separator

② Body Size

250 - 1/4

350 - 1/2

450 - 3/4

550 - 1

650 - 1 1/2

850 - 2

③ Port Size

02 - Rc(PT) 1/4 "

03 - Rc(PT) 3/8 "

04 - Rc(PT) 1/2 "

06 - Rc(PT) 3/4 "

10 - Rc(PT) 1 "

14 - Rc(PT) 1 1/2 "

20 - Rc(PT) 2 "

④ Accessory(Optional)

Nil - Manual Drain

B - Bracket

D - Auto Drain

⑤ Option

Nil - PC Bowl

Me - Metal Bowl



SAM650

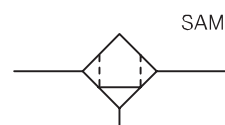


SAM450



SAM250

### ● Symbol



### ● Specification

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| Fluid                         | Compressed air                                               |
| Max. operating pressure       | 1.0MPa [10.2 kgf/cm <sup>2</sup> ]                           |
| Min. operating pressure       | 0.05MPa [0.5 kgf/cm <sup>2</sup> ]                           |
| Max. supply pressure          | 1.5MPa [15.3 kgf/cm <sup>2</sup> ]                           |
| Ambient and media temperature | 0 ~ 60℃                                                      |
| Filtration                    | 0.3μm(95% possible filtration particle)                      |
| Filter material               | Glass fiber                                                  |
| Life of element               | When pressure drop reaches at 0.1MPa[1 kgf/cm <sup>2</sup> ] |

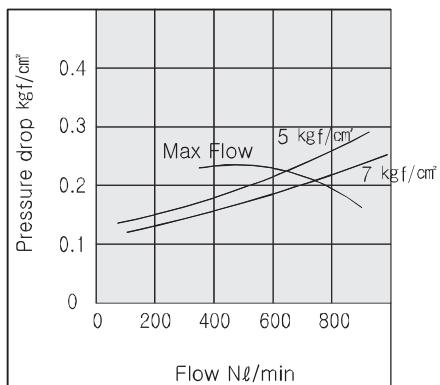
### ● Precautions

- ① Filter element should be changed after 2 years of using or when pressure drops to 1.0kgf/cm<sup>2</sup>.
- ② When auto drain is used :  
Drain piping should be both 4mm or greater in diameter and less than 1m in length.  
Also should avoid setting drain piping upwards.
- ③ When auto drain is out of order, it is possible to drain manually by operating one-touch-fitting vertically.
- ④ With a drain cock attached, drain can be done when the head of liquid is shown at the glass indication tube.

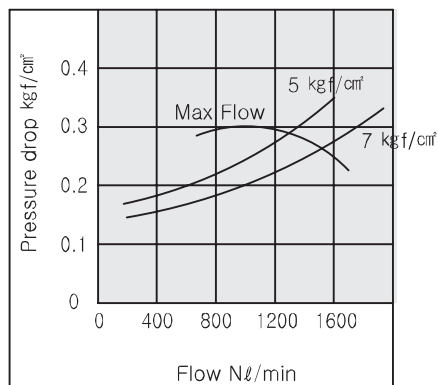
**SAM**

## ● FLOW CHARACTERISTICS

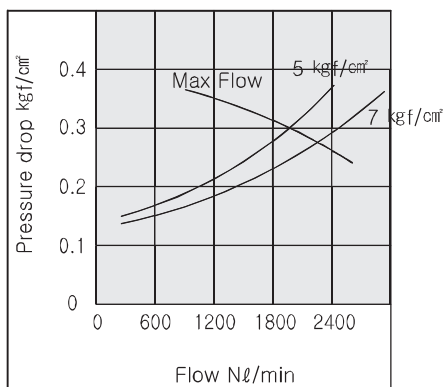
### SAM 250



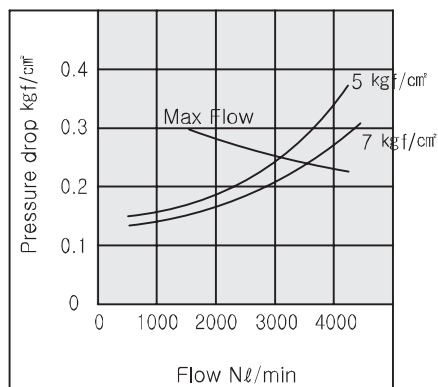
### SAM 350



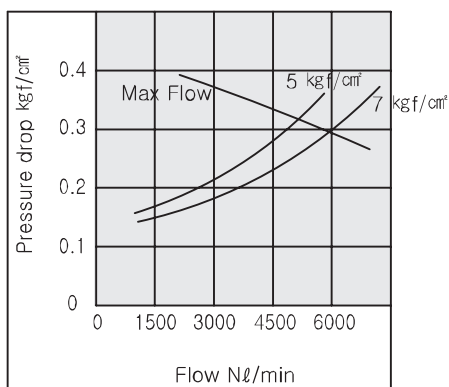
### SAM 450



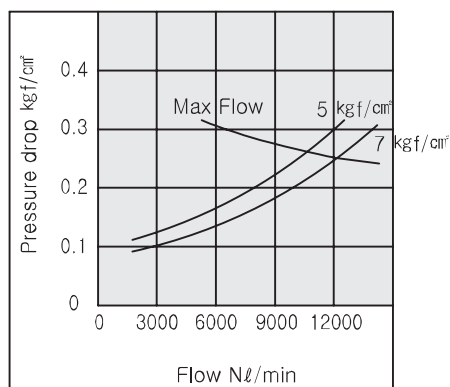
### SAM 550



### SAM 650

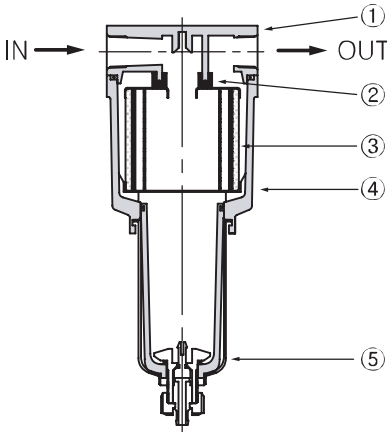


### SAM 850

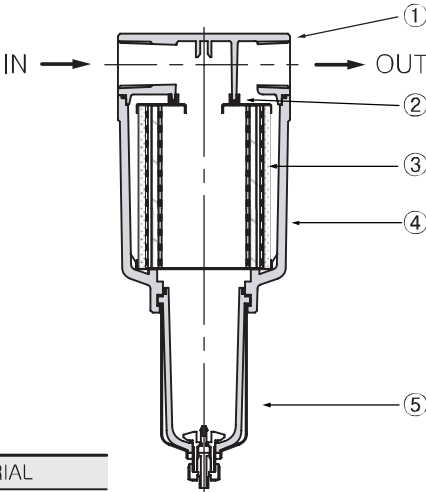


● STRUCTURE / PARTS

SAM 250

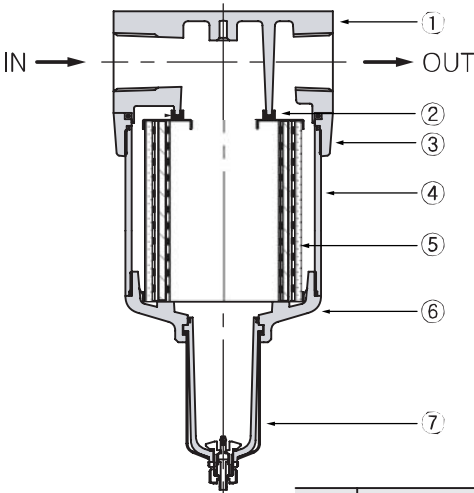


SAM 350 · 450 · 550



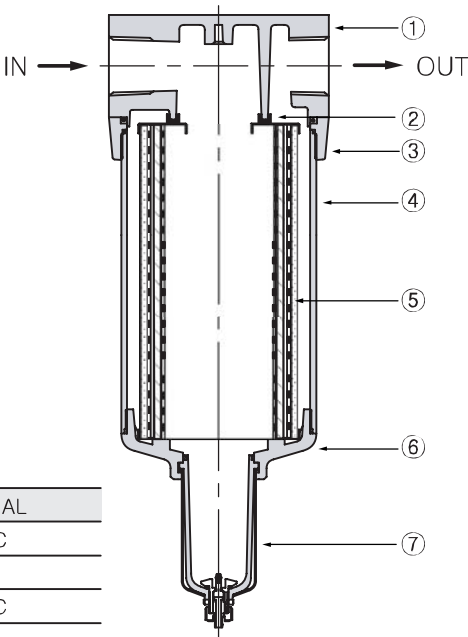
| No. | PARTS   | MATERIAL    |
|-----|---------|-------------|
| 1   | Body    | ALDC        |
| 2   | Packing | NBR         |
| 3   | Element | Glass fiber |
| 4   | Cover   | ALDC        |
| 5   | Bowl    | PC          |

SAM 650



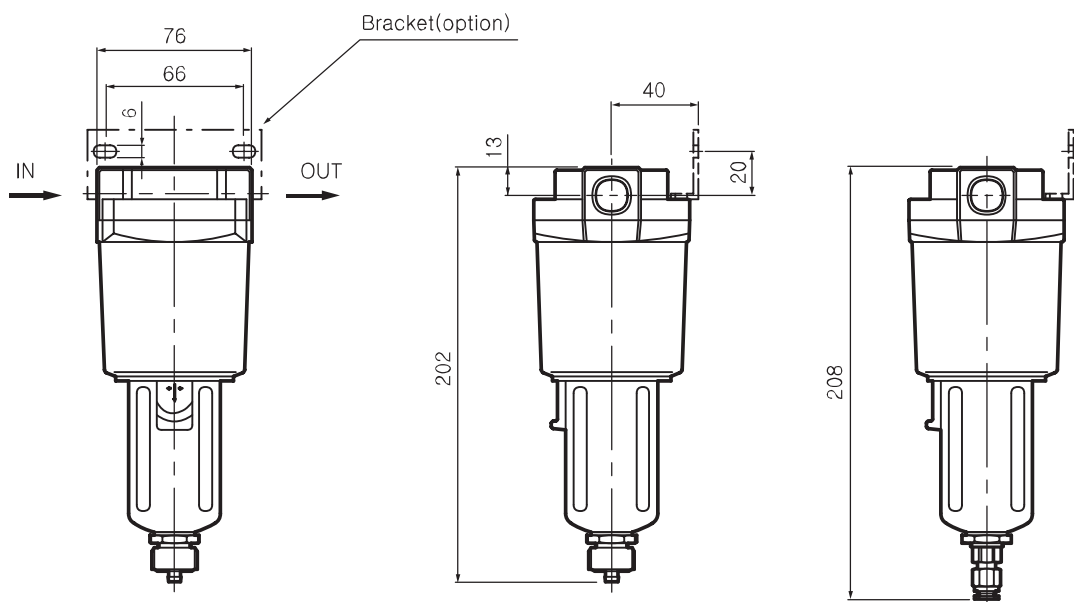
| No. | PARTS   | MATERIAL    |
|-----|---------|-------------|
| 1   | Body    | ALDC        |
| 2   | Packing | NBR         |
| 3   | U-Cover | ALDC        |
| 4   | Pipe    | AL          |
| 5   | Element | Glass fiber |
| 6   | L-Cover | ALDC        |
| 7   | Bowl    | PC          |

SAM 850



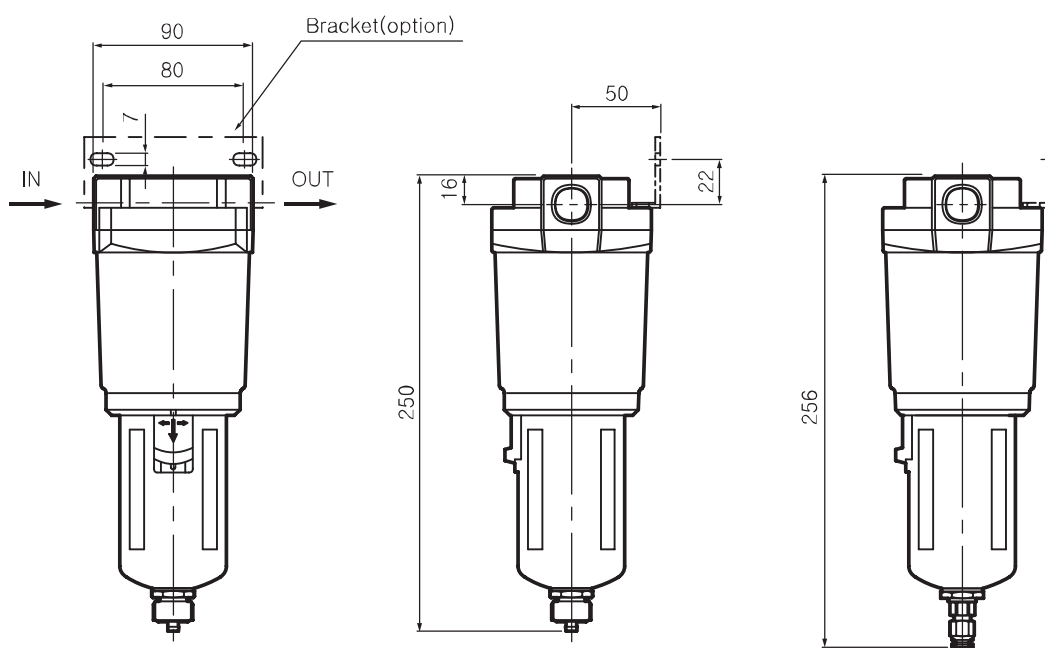
## ● DIMENSIONS(mm)

### SAM 250



With float type auto drain

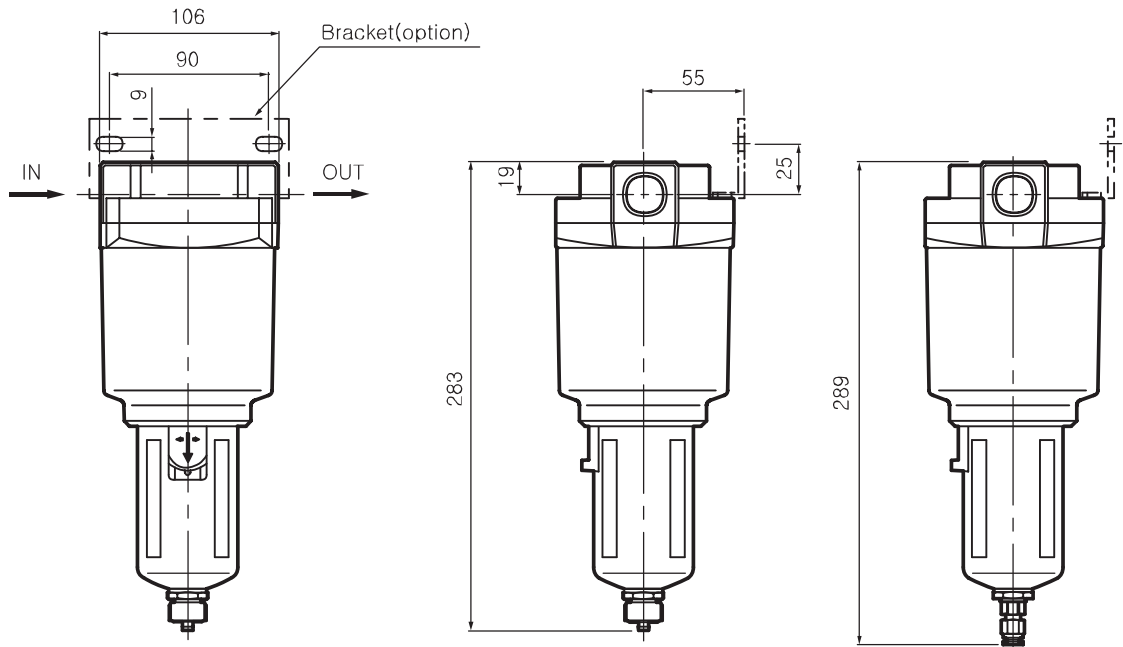
### SAM 350



With float type auto drain

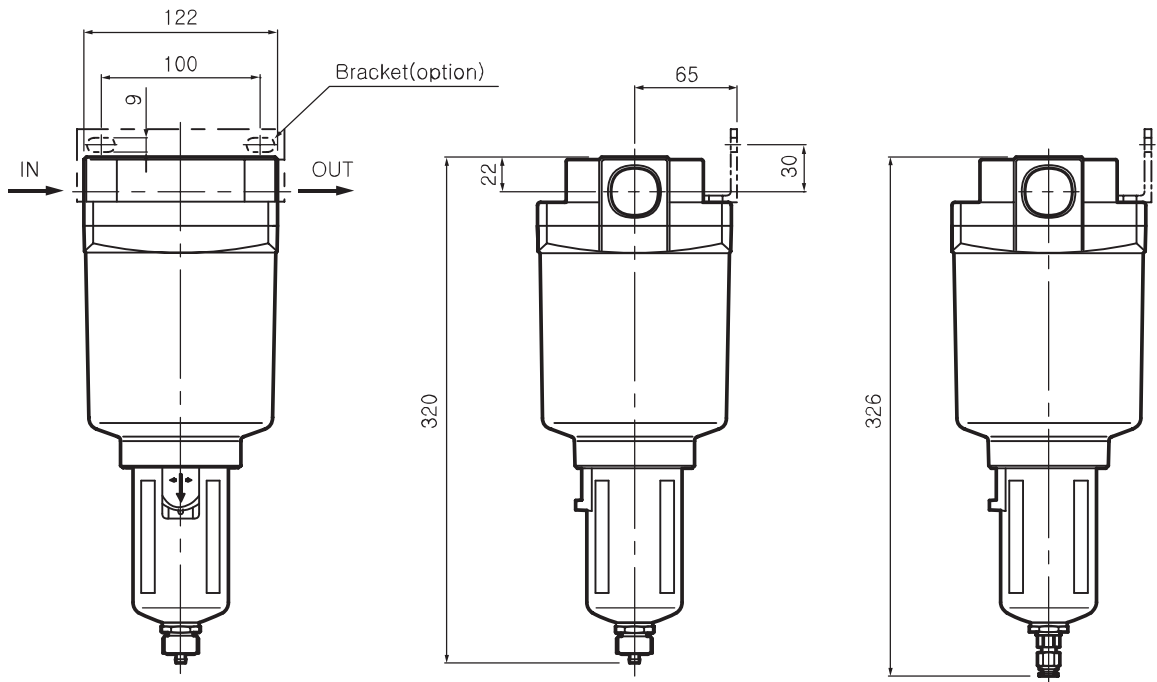
● DIMENSIONS(mm)

**SAM 450**



With float type auto drain

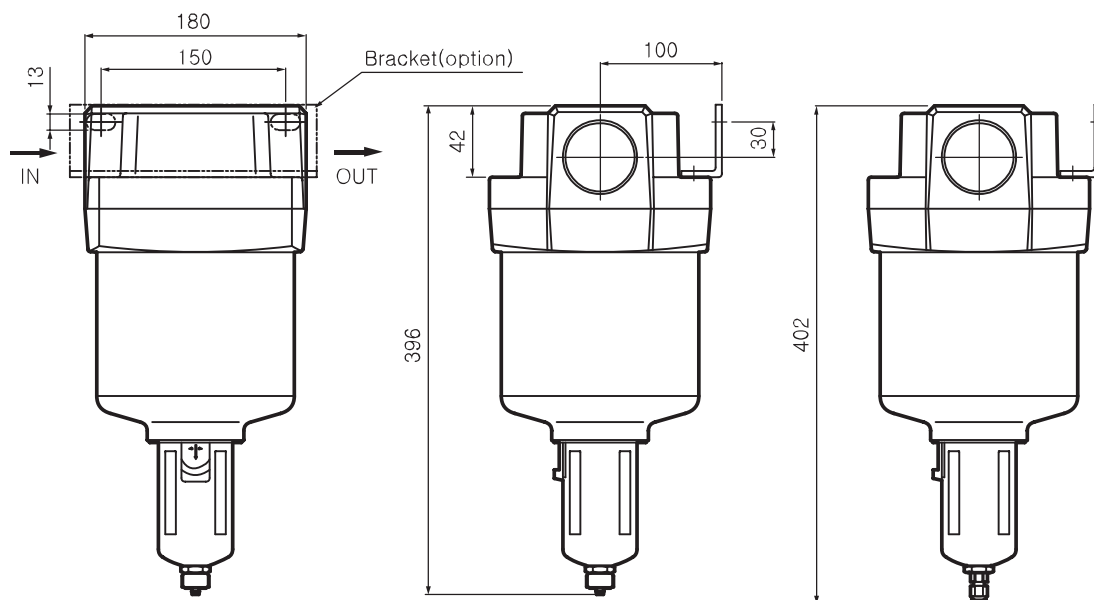
**SAM 550**



With float type auto drain

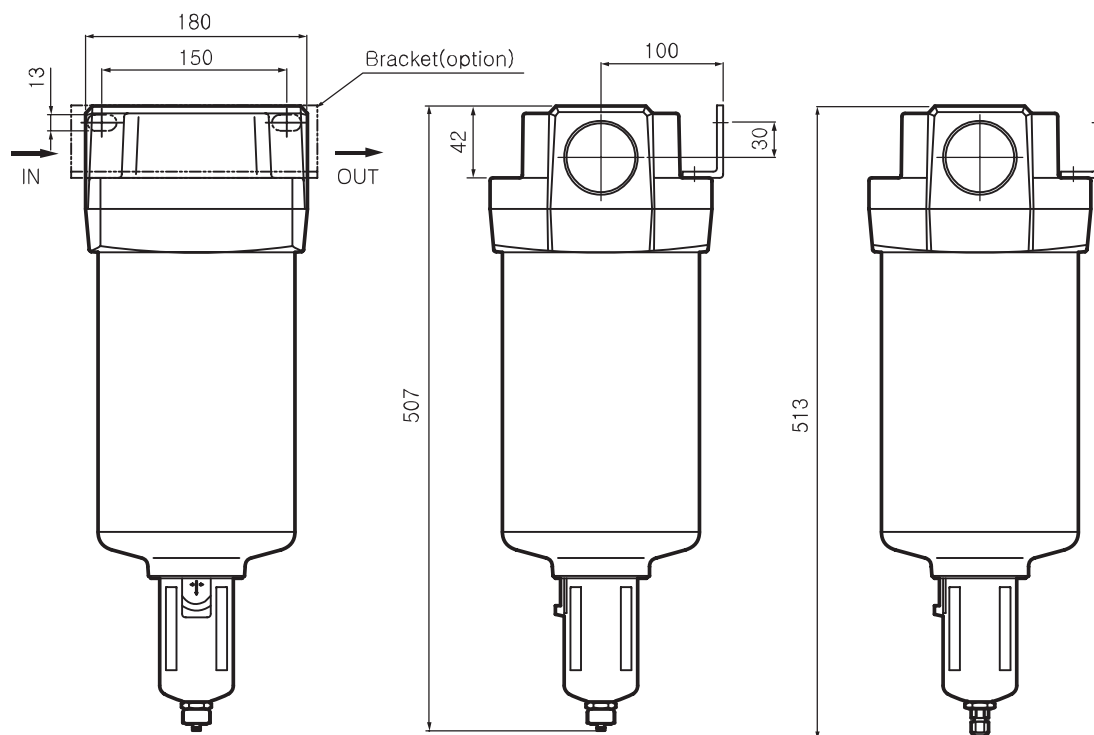
## ● DIMENSIONS(mm)

### SAM 650



With float type auto drain

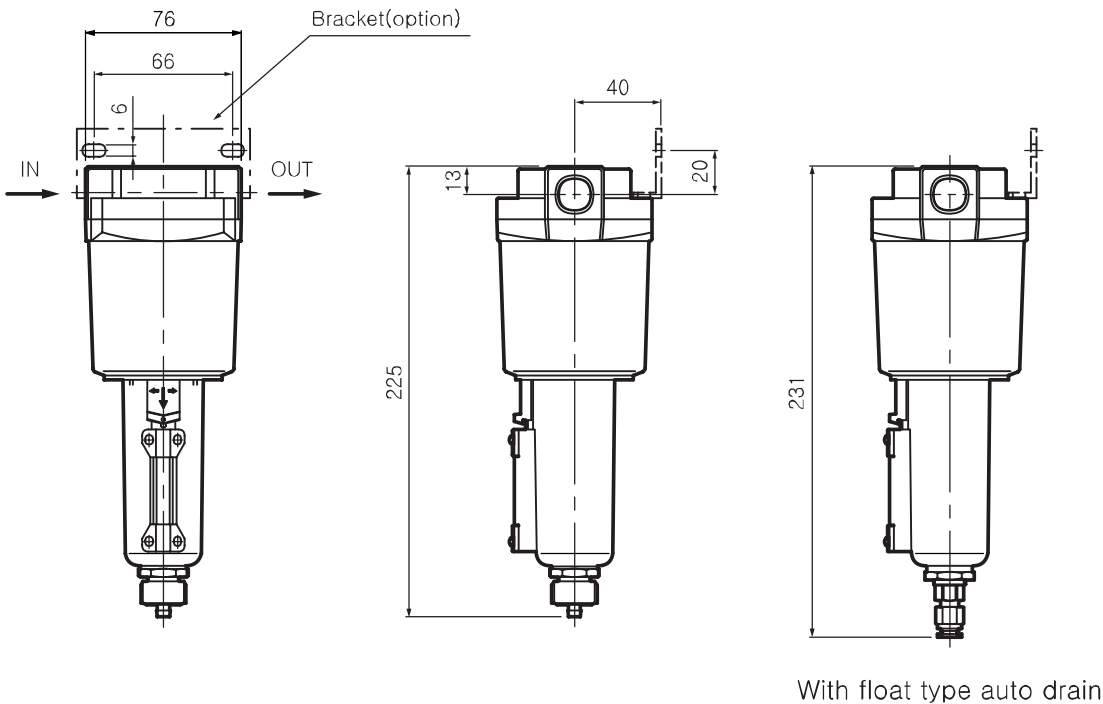
### SAM 850



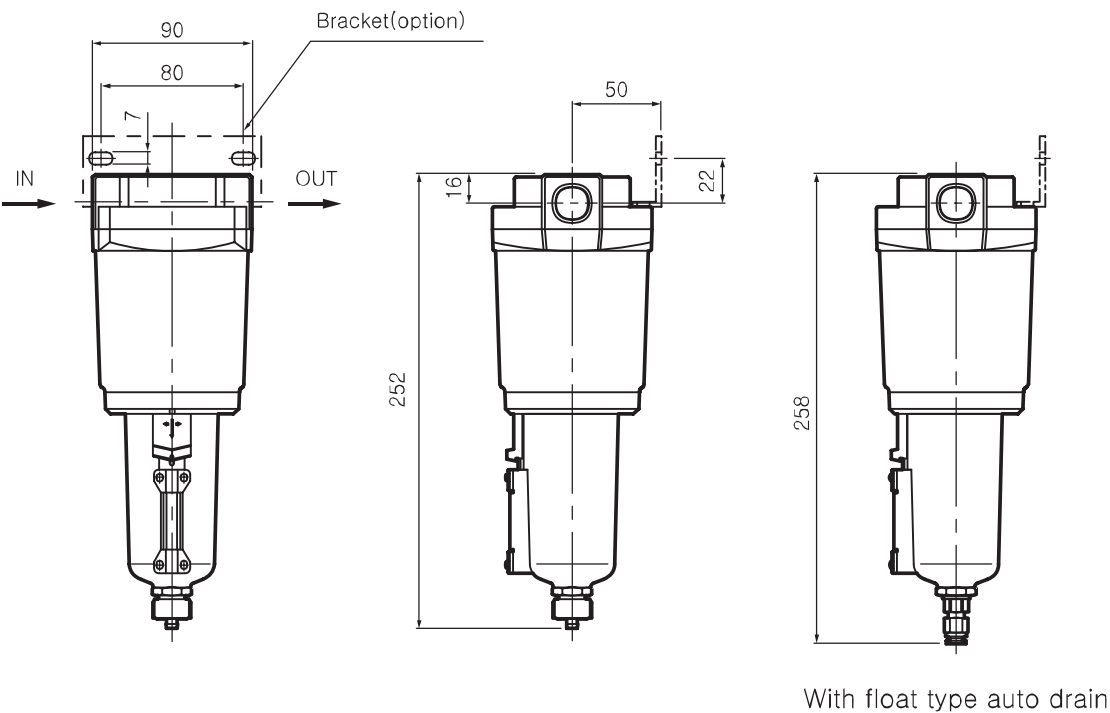
With float type auto drain

● DIMENSIONS(mm) – Metal Bowl

**SAM 250-Me**

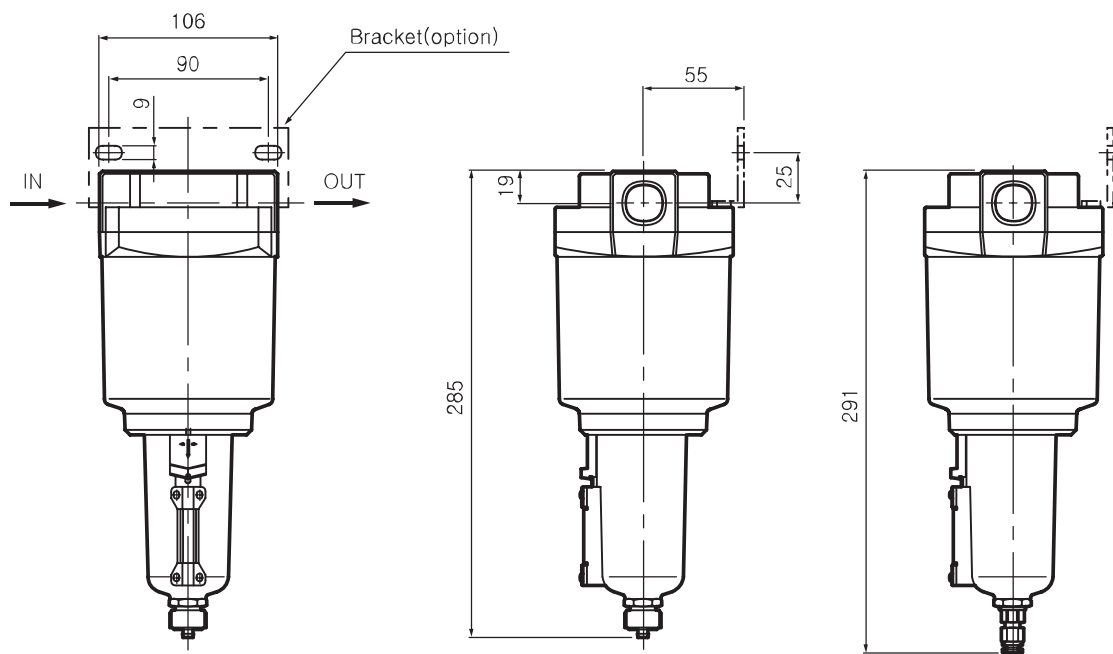


**SAM 350-Me**



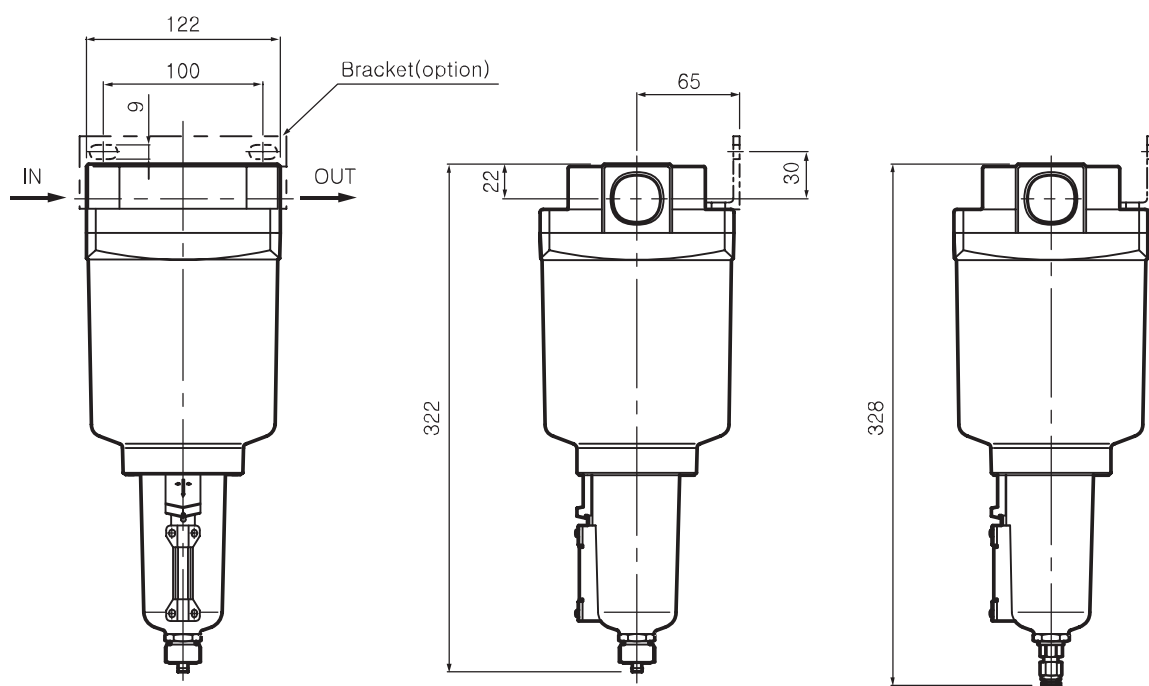
## ● DIMENSIONS(mm) – Metal Bowl

### SAM 450-Me



With float type auto drain

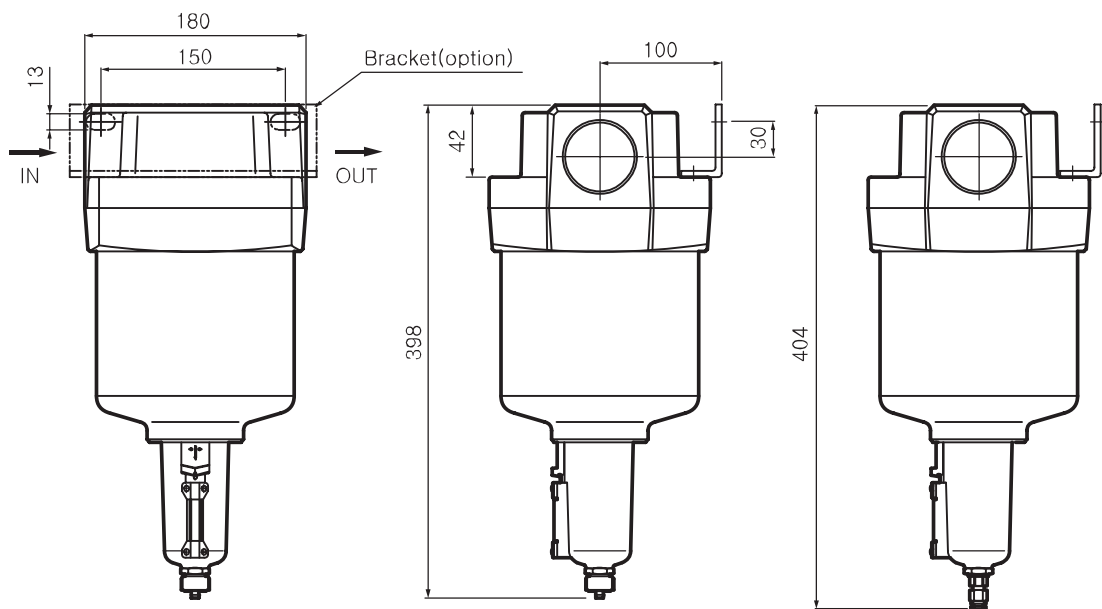
### SAM 550-Me



With float type auto drain

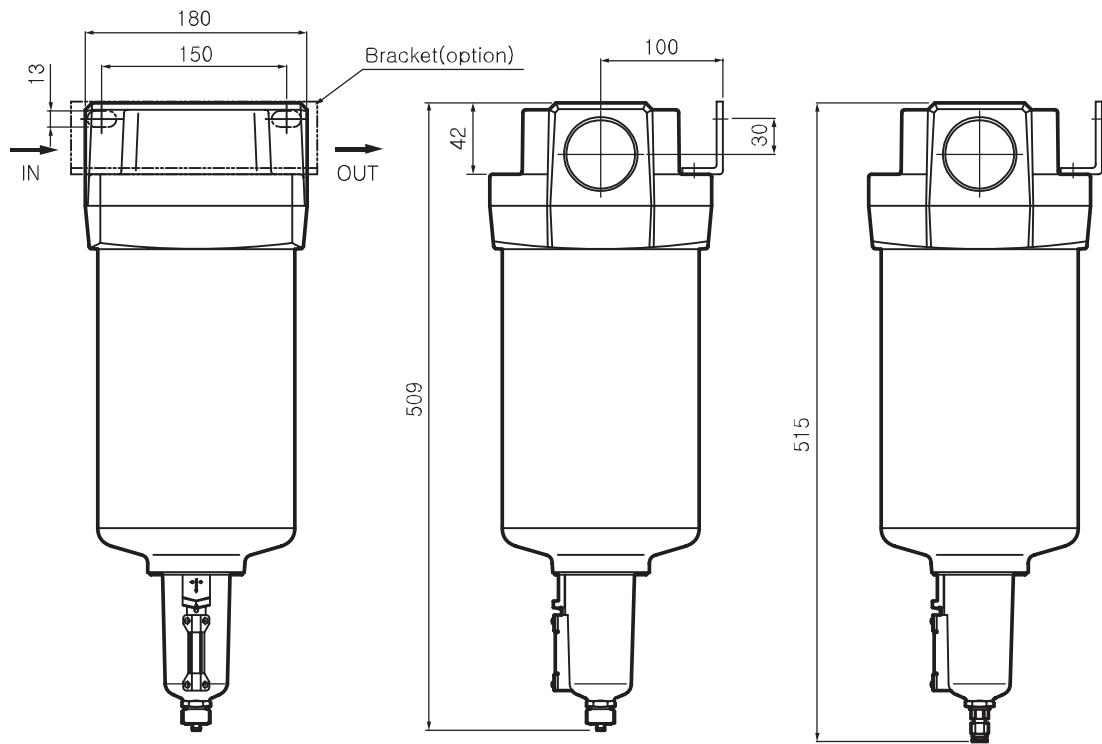
● DIMENSIONS(mm) – Metal Bowl

**SAM 650-Me**



With float type auto drain

**SAM 850-Me**



With float type auto drain